

Thiamin Pyrophosphokinase 1 Human Recombinant

Item Number	rAP-1670
Synonyms	Thiamin pyrophosphokinase 1, hTPK1, Placental protein 20, PP20, Thiamine pyrophosphokinase 1, TPK1, THMD5.
Description	TPK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 267 amino acids (1-243 a.a.) and having a molecular mass of 29.8kDa. TPK1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9H3S4
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMEHAFT PLEPLLSTGN LKYCLVILNQ PLDNYFRHLW NKALL-RACAD GGANRLYDIT EGERESFLPE FINGDFDSIR PEVREYYATK GCELISTPDQ DHTDFTKCLKLMLQKKIEEKD LKVDVIVTGL GLAGRFDQIM ASVNTLFQAT HITPFP QEESLIYLLQ PGKHRLHVDTGMEGDWCGLI PVGQPCMQVT TTGLKWNLTN DVLAFTLVS TSNTYDGSGV VTVETDHPLL WTMAIKS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	TPK1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**